Work Orden October-01-12 7		837		*90837*									
Revision ID:	D4018-5 Rib			Accept	*N900	040	100)* s	etup Start Stop	I VI,	S1* S2*		
	10/01/12	Start Qty: 9.00	*9*	A M	Cust Item II	D.				1 71			
Required Date: 1 Reference:		Req'd Qty: 9.00	*9*		Cust Item 11 Customer:	D:							
Approvals:	Process Pla	n: <u>ルレブ</u>	Date: 12-10-	○\Tooling:	Da	R	un Start	171	R1*				
	QC:		_ Date:	_ SPC (Y/N):	Date:				Stop	*N	R2*) *	
Sequence ID/ Work Center ID)	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	-	Reject Number	Insp. Stamp		
Draw Nbr	Rev	ision Nbr									:		
D4018	С												
100				0.00				^				-	
100								91	CC	17-0	7-76		
Large Fab		Memo	1 - D4010	0.00									
Large Fab			e as per dwg D4018 nd remove identification ma	arkings									
110		QC6- Inspect dimensio	ns to drawing	0.00									
110								9x	SS	13.00	D- 26		
QC		Memo		0.00									
Quality Control													
		Plan.	1.										
120		Identify as per dwg & S	Stock Location: WA	0.00									
120						•	9x	_	SH 13.	~^? ·	3.6		
Packaging		Memo		0.00		·	-		·		×-6		

Packaging

NCR:	Yes	/	No

NCR: Yes / No WORK ORDER NON-CONFORMANCE / UPDATE																	
											QA Closed:	Date:					
Work Orde	er: DISPOSITION								AGAINST DEPARTMENT/PROCESS								
Part N	•					Rework Scrap Use-as-is Ther			Skid-tube Machining noforming	Crosstube Small Fab Finishing	-1	Water Jet d. Eng. Coor. e/Packaging	Engineering Quality Other				
NCR N	lo.					Work Order Update	_		Large Fab	Composite]	Supplier					
Root					Descr	iption of work order update		nitial	/	Action	Sign &						
Cause		Date	Step	Qty		or Non-conformance	Ch	ief Eng	De	scription	Date	Verification	QC Inspector				
oc/Data																	
quip/Tooling							-										
perator																	
/laterial							-			•							
etup																	
ther																	
rocess																	
upplier																	
raining			·														
Inapproved																	
							FAUl	T CATE	GORY								
Landi	ng (Gear				General		_			_		_				
		Bending				Bend		Grain			Ovalized		Pressure/Forced				
		Centre No	t Concer	ntric to (o/s	BOM/Route		Hardwa	ire		Over/Under	tolerance	Temperature/Cure				
[Cracks				Broken/Damaged		Inspect	ior Incomplete		Part Incorre	ct	Weld				
		Crushed/Crimped. Burrs						Instruct	ions Incomplet	te/Unclear	Part Lost/Mi	ssing	Wrong Stock Pulled				
		Cuffs				Contamination		Mainte	enance		Part Moved						
		Heat Treat Countersink						Mislabe	eled		Positioned V	Vrong					
		Inspection	n Strip in	Tube		Cut Too Short		Misread	d ,		Power Loss/	Surge	Other				
		Ripples in	Bend			Drill Holes		Offset	:	<u></u>	_	. •					
		Torque W	aves in E	xtrusion	,	Drawing		Out of Calibration									
		Turning S			<u> </u>	Finish		Out of Sequence									
		Wave/Twist in Tube Folio							Outside Dimensions								

DQA:____

Date: ___

90837

Page 2 October-01-12 7:42:43 AM Item ID: D4018-5 Accept *N900040100* Setup Start **Revision ID:** Stop Item Name: Rib **Start Date:** 10/01/12 Start Qty: 9.00 *Q* **Cust Item ID:** Required Date: 10/19/12 Req'd Qty: 9.00 *Q* **Customer:** Reference: Run Approvals: Process Plan: Tooling: Date: Date: Stop QC: Date:_ SPC (Y/N): eject Reject
Qty Number St.

MLS 1302- 76

MK Date: Sequence ID/ Operation Tool ID Set Up/ Tool # Plan Accept Work Center ID Description **Run Hours** Code Qty 130 QC21- Final Inspection - Work Order Release 0.00 *130* QC 0.00 Memo Quality Control

				DQA:	Date:
ICR:	Yes /	No	WORK ORDER NON-CONFORMANCE / UPDATE		_

												· Date	e:	
Work Orde	er:					DISPOSITION		AGAINST DEPARTMENT/PROCESS						
Part N	-					Rework Scrap Use-as-is		Skid-tube Crosstube Machining Small Fab Thermoforming Finishing				Water Jet d. Eng. Coor. re/Packaging	Engineering Quality Other	
NCR No.						Work Order Update]		Large Fab	Composite	Supplier			
Root		-			Descri	ption of work order update	Ini	tial	Ac	tion	Sign &			
Cause		Date	Step	Qty	(or Non-conformance	Chie	f Eng	Desc	ription	Date	Verification	QC Inspector	
Doc/Data														
Equip/Tooling														
Operator	Ш													
Material	Щ													
Setup	Ш													
Other														
Process							1							
Supplier														
Training	Ш											·		
Unapproved			<u> </u>				<u> </u>					<u> </u>		
				*			AULT	CATE	GORY					
Landii					_	General	\Box_{\sim}				J	г	7. /5. /	
	\vdash	Bending	_		_	Bend	\vdash	rain	4		Ovalized		Pressure/Forced	
		Centre No	ot Concei	ntric to	^{5/S} -	BOM/Route	\vdash	ardwa		<u> </u>	Over/Under	ŀ	Temperature/Cure	
		Cracks	·C		-	Broken/Damaged	-	-	on Incomplete	/lindon	Part Incorre	}	Weld Wrong Stock Pulled	
	$\boldsymbol{\vdash}$	Crushed/	Crimped.		-	Burrs	—		ions Incomplete/	Unclear	Part Lost/M	-	wrong Stock Pulled	
	Ь——	Cuffs				Countarial	\vdash		enance	<u> </u>	Part Moved			
	${f H}$	Heat Trea		Tubo	<u> </u>	Countersink	\vdash	lislabe			Positioned \ Power Loss		Other	
	\vdash	Inspectio		rube	 	Cut Too Short Drill Holes	\vdash	lisread ffset	ı	<u> </u>	Jeomei ross/	ouige [Tottlei	
	Ripples in Bend Torque Waves in Extrusion						\vdash		Calibration					
].	${oldsymbol{dash}}$	•			' <u> </u>	Drawing Finish	\vdash		Lanbration Sequence					
[$\vdash \vdash$	Turning S			⊢		\vdash							
		Wave/Tw	vist in Tul	эе		Folio	Outside Dimensions							

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Work Order ID:

90837

Parent Item:

D4018-5

Parent Item Name:

Rib

Start Date: 10/01/12

Required Date: 10/19/12

Start Qty: 9.00

Required Qty: 9.00

Comments:

IPP RevA: new issue DD 09.11.26 verified by:EC

IPP Rev:B as per dwg revA 10.03.15

IPP Rev:C as per dwg RevB DD 10.04.16 verified by:EC

Rev:D as per dwg revC DD 10.08.18 verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304TS0.500W.049		Purchased	No		· · · · · · · · · · · · · · · · · · ·	100	f	1,098.6690	0.5558	5.2654737			
Square Tubing								-,		3,2037/3/	11/	13-0	12-26
				Location		Loc Oty	Lo	c Code					
				MAT018		513.599034	61235	65-	رکی سید	265473	7		
				1224	13	513.599034	0,40,				*		
				MAT034	•	585.0700153							
				1184	60	0.00001534							
				1218	08	0.07							
				1229	38	585							

											DQA:	Date:				
NCR:	Yes /	No				WORK ORDER NON-C	WORK ORDER NON-CONFORMANCE / UPDATE QA Closed: Date:									
				-		T					QA Closed:	Date.				
Work Orde	or:					DISPOSITION	PARTMENT	/PROCESS								
WOIK OIG	E1					Rework		Skid-tube	Crosstube		Water Jet	Engineering				
Part 1	No.					Scrap			Machining	Small Fab	Pro	d. Eng. Coor.	Quality			
						Use-as-is	1		noforming	Finishing		re/Packaging	Other			
NCR I	No.					Work Order Update]		Large Fab	Composite		Supplier				
								L								
Root					1	ption of work order update	1	Initial	Actio		Sign &					
Cause	D	ate	Step	Qty	(or Non-conformance	Ch	ief Eng	Descrip	otion	Date	Verification	QC Inspector			
Doc/Data	Ш															
Equip/Tooling																
Operator	Ш															
Material	Ш															
Setup																
Other																
Process							1									
Supplier	Ш											Ì				
Training	Ш			1												
Unapproved					<u> </u>		<u> </u>									
						F	AUI	T CATE	GORY				<u>, </u>			
Landi	ng Gear				_	General		7			7		7			
	Ber	ding				Bend		Grain		-	Ovalized		Pressure/Forced			
	Cer	itre No	t Concer	ntric to	O/S	BOM/Route		Hardwa	re		Over/Under	tolerance	Temperature/Cure			
	Cra					Broken/Damaged		d '	or Incomplete		Part Incorre	 	Weld			
	∐ Cru	shed/0	Crimped.			Burrs		Instructions Incomplete/Unclear			Part Lost/M	_	Wrong Stock Pulled			
	Cuf	fs				Contamination		Mainte	enance		Part Moved					
	Hea	at Trea	t		1	Countersink		Mislabe	eled		Positioned \	Nrong				

Misread

Out of Calibration

Out of Sequence

Outside Dimensions

Offset

Other

Power Loss/Surge

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Inspection Strip in Tube

Torque Waves in Extrusion

Cut Too Short

Drill Holes

Drawing

Finish Folio

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